

Remarks

Claims 1-20 remain in the application.

The Examiner has rejected claims 1, 5, 9-11, and 15-18 for obviousness-type double patenting over claims 1, 5, 8, and 9 of the parent U.S. Patent 6,610,184 in view of U.S. Patent 5,178,739 to Barnes et al. A Terminal Disclaimer submitted herewith should remove the rejection.

The Examiner has rejected claims 5-8 and 11-18 under 35 U.S.C. §112, ¶1 for lack of support in the written description. This rejection is traversed. The originally filed specification generally introduces inductive coupled IMP reactor in the background section at page 2, line 28 to page 3, line 9. The description clearly focuses on the auxiliary magnets as being a central part of the invention and the focus is emphasized in both the summary and the abstract. The specification then applies the invention to IMP reactors at page 10, lines 1-5 with a reference to prior art IMP reactors in U.S. Patent 6,045,547. The Examiner's statement is traversed that there is no disclosure for the use of both auxiliary magnets and an RF. With editing of extraneous words, the passage on page 10 states that "the auxiliary permanent magnet array can be advantageously applied to other target and power configurations such as ... the inductively coupled IMP reactor of US Patent 6,045,547." The ordinary mechanic in reading this passage would understand that permanent auxiliary magnets should be combined with an RF coil.

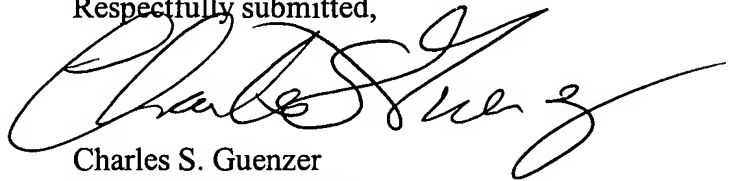
The above amendments to the text and drawings explicitly combine the permanent magnets and the RF coil. The text is mostly copied from pages 2 and 3 of the filed application. The RF power source is inherent in the description. Even the illustrated rotating magnetron finds support in all the previously submitted drawings and in the title of the parent application "Magnet Array in Conjunction with Rotating Magnetron for Plasma Sputtering." As a result, it is believed that the amendments do not constitute new matter and now clearly support the rejected claims.

The Examiner has indicated that Claims 1-4, 9, and 10 would be allowed if a terminal disclaimer were filed. The disclaimer is filed herewith so these claims should be allowed.

In view of the above amendments and remarks, reconsideration and allowance of all claims are respectfully requested. If the Examiner believes that a telephone interview would be helpful, he is invited to contact the undersigned attorney at the listed telephone number, which is on California time.

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Amendments to the Drawings

Please add the attached new FIG. 5.